

# Two Bureau Of Standards Employees Make Scientific Contributions

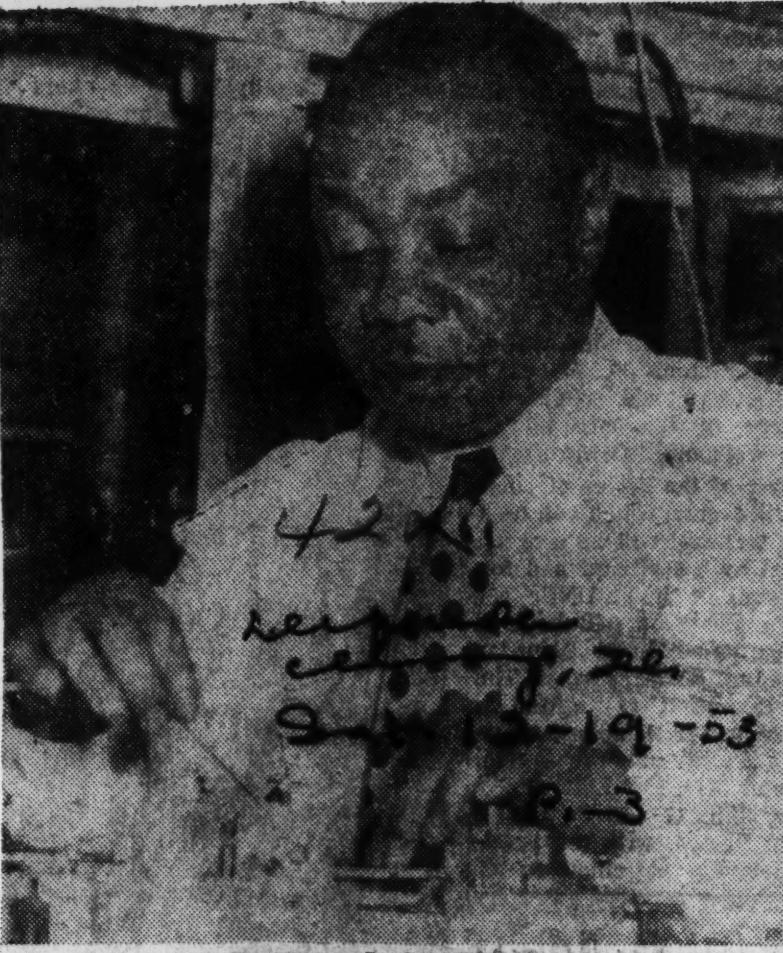
WASHINGTON — Two United States Bureau of Standards employees were honored recently for their scientific contributions to the government department.

They were Mrs. Ann T. Nelms, physicist in atomic research, and Thomas J. Carter, inventor.

Mrs. Nelms is author of a highly scientific pamphlet titled "Graphs of the Compton Energy Klein Nishina Formula." She is a graduate of Howard University and has been with the bureau three years.

Carter, a 11-year employee of the Bureau of Standards, is the inventor of a new machine for testing the flexing endurance of leather. Prior to his invention, no satisfactory method for measuring this property in leather had been found.

Held as a boon to the leather industry, the invention has not yet been patented by Carter, a native of Columbia, S. C., where he attended Benedict College.



THOMAS J. CARTER



MRS. ANN T. NELMS

# Former South Sider Finds Jazz Artists Replaced By Scientists

A former south sider returned to Chicago last week to find that jazz artists had given way to research experts in his long absence.

The building where rhythm has been replaced by research is the administration building of Armour Research Foundation of Illinois Institute of Technology, at 35th and State sts.

Dr. Clarence J. Mason, director of research at George Washington Carver Foundation, Tuskegee, Ala., is the man who remembered his youthful dancing on the floor where the Foundation's accounting department is now located.

He discussed some of his Chicago memories with the Foundation's director, Dr. H. A. Leedy, during a conference which preceded his tour through certain laboratories at Technology Center.

Awarded grants for travel to the major governmental, educational, and industrial research laboratories would not have missed the chance to visit Armour Research Foundation.

"It is not surprising that so great a research organization has grown so quickly here in Chicago, the hub around which a nation's industry revolves so smoothly," said Mason.

He launched his career into the field of industrial research from his childhood home at 71st st. and Langley ave. After graduating from Northwestern university in Evanston, he went on to four years of graduate degree work at McGill Institute in Mobile, Ala. His next nine years were spent in technological studies and work in New Orleans. He has been with the Carver Foundation for the last eight years.

## 'Skegee Named Good Year For Southern Research

### Co-Sponsor Of Nuclear Studies

OAK RIDGE, Tenn. — (SNS) — Meeting in Oak Ridge Tuesday, the Oak Ridge Institute of Nuclear Studies named Tuskegee Institute as one of its sponsoring universities. Southern Methodist University of Dallas, was the other.

Representing Tuskegee in Oak Ridge was Dr. Russell W. Brown, director of the Tuskegee Institute Carver Foundation. Dr. Paul M. Gross, president of the Nuclear Studies Institute and vice-president of Duke University, made the announcement and said that there are now 32 sponsoring agencies connected with the program.

Tuskegee students will now be able to participate in nuclear studies at Oak Ridge, one of the principal seats of atomic energy study.

Dr. Brown of Tuskegee will be a member of the governing council which is composed of one representative from each sponsoring group. The Institute is managed by a board of directors elected by the council.

Council chairman is Dr. George H. Boyd, dean of the University of Georgia Graduate School; executive director is Dr. William G. Pollard of Oak Ridge.

When trustees, personnel and friends of the Southern Research Institute gather tomorrow for the ninth annual meeting of the organization, they will be able to look back upon a year of notable achievement and forward to a year of promise. This Birmingham institution, which is contributing so much to the industrial and scientific development of the South, is becoming increasingly better equipped and staffed to carry on its important work.

The past year has seen the completion of the five-story west wing addition to the Ingalls Laboratory, housing departments of engineering, metallurgy, electronics, chemistry and the scientific library. Near completion is the new \$100,000 cancer research laboratory, being constructed with grants from the Charles F. Kettering Foundation and the Robert E. Meyer Foundation.

Staff has been enlarged by 22 members, and the volume of research work is near \$1,000,000, an increase of 50 per cent over last year. New equipment has been added, including a miniature textile mill and an analog computer. Application has been made for some 13 patents on new products and processes, and some of the most important projects in the institute's history were completed during the year.

The men responsible for the organization of the institute and the people working there have great faith in its future. Chairman Thomas W. Martin pointed out recently that in the eight years of its existence it has been forced to expand several times, and that from two employees at the start, the staff has grown to nearly 150. He said the institute is looking "for still further expansion both in facilities and personnel."

What organizations like Southern Research mean to this region was brought out recently by H. McKinley Conway, director of the Southern Association of Science and Industry and editor of the *Journal of Southern Research*, who said of the research boom:

"First it is enabling the South to reverse the flow of talented young men from the region by providing challenging high-

level employment in their home area. Second, it has created a boom in the 'science-supply' industry. Several new manufacturers and a score of distributors have been attracted to the region to supply laboratory apparatus and research materials. But the most important result is that Southern industry has been given new horizons through the reduction of manufacturing costs, development of new products and processes, and an improvement of marketing opportunities."

We congratulate the trustees and staff of the Southern Research Institute on this occasion and wish for them another good year.

## Tuskegee named to Oak Ridge Institute of Nuclear Studies

TUSKEGEE, Ala. (AP) — Tuskegee Institute was elected a sponsoring agency of the Oak Ridge Institute of Nuclear Studies in a meeting of the board of directors.

In making the announcement, Dr. Paul M. Gross, vice-president of Duke University and president of the institute, stated that the election of Tuskegee and Southern Methodist university brings to 32 the number of sponsoring agencies.

President L. H. Foster appointed Dr. W. W. Brown, director of the Carver Foundation, as Tuskegee's representative on the institute's council.

## High Honor Given Dr. S. P. Massey Fisk U. Chemist

At its forty-third annual meeting from December 3 to 5 at Oklahoma Baptist University, Shawnee, Okla., the presiding officer was Dr. S. P. Massey, chairman Department of Chemistry, Fisk University, Nashville, Tenn. This was an unique event because it was one of the few times a state academy has had its president outside of the state and one of the first times a Negro scientist has presided over a state academy. Dr. Massey also a Fisk graduate, and now an instructor in psychology at ~~State~~ State College, served as official hostess for the tea at the meeting.

Dr. Massey, who was elected to

this position continuously in December, 1952, at Stillwater, Okla., after serving as Secretary-Treasurer for two years, came to Fisk, in August from Langston University, where he had served as chairman of the Chemistry Department for six years. Prior to this he had taught at Fisk University and Iowa State College, of Arkansas and was a research chemist at Eastman Kodak Company and Iowa State College.

Dr. Massey, a graduate of Fisk University and Iowa State College, is a member of the American Chemical Society, National Institute of Science, Sigma Xi, Phi Lambda Upsilon and is listed in American Men of Science. He recently joined the Tennessee Academy of Science and presented a paper at its sessions last week at Oak Ridge.

# Boston chemist to pay for law education with \$1,500 first prize won in contest

BOSTON, Mass. — A 31-year-old chemist credits his "hobby" of reading advertisements with having opened the door to a law degree.

Winner of first prize of \$1,500 in a nation-wide contest for the best written comment on the merits of Olin portable radio batteries, Lamar Smith of 12 Derne st. was presented his check at a luncheon at Hotel Somerset.

Mr. Smith is a Howard university honor graduate and for the past year has been studying law through an extension course from the University of Massachusetts, while working as an analytical chemist at the National Lead Company, here.

#### Filed Entry

Last summer, Mr. Smith noticed a series of newspaper advertisements announcing the Olin contest. Accordingly, he found out as much as he could about the Olin portable batteries, then filed his entry.

At the luncheon, Ronald V. Bennett, sales manager for Olin's electrical division, presented Mr. Smith with a check for first prize, won over thousands of entries submitted from all over the country.

#### Preferred Cash

If Mr. Smith had so chosen, he could have had a trip to the Hawaiian Islands for two. Instead, he asked for cash and said the money will help pay his law school expenses, either at Harvard or at Boston university law school.

A native of Washington, D.C., Mr. Smith was orphaned at 10, and worked his way through grammar school, high school and, with the aid of scholarships, through Howard university. He was a master sergeant in World War II, serving with the Army in the South Pacific, Burma and India.



R. V. BENNETT

LAMAR SMITH

Wins \$1,500 First Prize



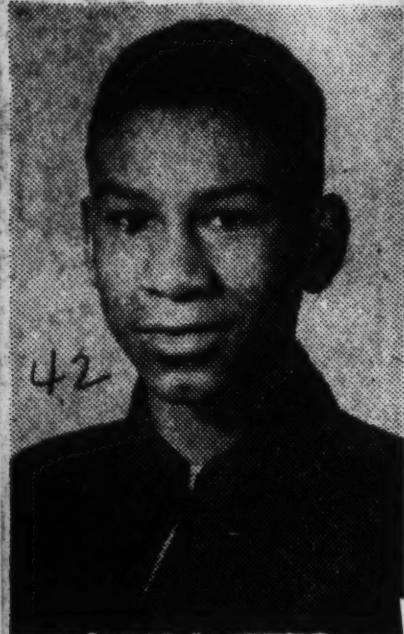
A CLOSE-UP OF HAPPINESS—Bliss is mirrored on the faces of Mr. and Mrs. John William Garner just after their marriage in Chicago's St. Edmunds Episcopal church, Saturday, Nov. 21. The radiant bride is the former Miss Leslie Olga

Abernathy, daughter of the Windy City's socially prominent Mr. and Mrs. Laurence G. Abernathy. Garner, of Nashville, is a chemist for the Armour Research Foundation in Chicago. Mrs. Garner is a teacher in the public school system.

# Booker T. Student Wins Science Medal

**NORFOLK** — The selection of James Alvin Hayes as this year's winner of the Bausch & Lomb Honorable Science Award Medal was announced this week by Winston Douglas, principal of Booker T. Washington High School.

Only winners of this award are



JAMES A. HAYES

eligible to compete for three scholarships sponsored by Bausch & Lomb Optical Company at the University of Rochester in New York.

**THE SEVENTEEN**-year-old senior was also one of the Honorable Mentions in the Twelfth Annual Science Talent Search for the Westinghouse Science Scholarships.

Although this does not entitle him to participate in the Science Talent Institute in Washington, D. C., Feb. 26-March 2, judging from previous Searches, he may receive offers of scholarships and other financial assistance from leading colleges and universities.

**IN ADDITION** to his scientific talent, James is an excellent mathematician. He earned the enviable record of receiving an "A" grade in every math course taught at Booker T. during his 3½ years.

at the school.

He has also won several first place awards for his high school at the Virginia Science-Math Congress.

## Young Scientist's Entry Popular



Miss Merle A. Mitchell, 15-year-old senior of Booker T. Washington High School, Norfolk, Va., one of the 40 finalists competing for \$11,000 in scholarships in the 1953 Westinghouse Science Talent Search, entered a proj-

ect which showed popular appeal as well as talent during a display of the contestants' projects Friday night at the Statler Hotel in Washington, D. C.

Miss Mitchell's project, "A

Mass Analysis of Crude Oil", won third place in a popularity poll conducted during the display. First place was won by a completely automatic lawn mower designed and built by Norman Strax of Great Neck, N. Y.

## Chemist Does Research On New TB Drug

**LANGSTON**, Okla. — (AP)—Dr. R. P. Perry, Langston University chemist, is conducting a research on a general group of substances considered anti-tuberculosis agents. He is now receiving inquiries from physicians and clinical institutes for more information concerning his research.

Dr. Perry has been interested in the study of drugs and their effects for years. He has discovered a compound similar to a group produced in Germany called Fibone. "Our compound has been compared with it and other anti-TB compounds and found to be more effective." It is as effective as other known Anti-TB drugs.

They are continuing research on a general group of substances and expect to publish a report in the next few months," said the chemist.

Perry explained that the compound is not on the market as yet. He has received a grant from a research corporation. At the present time, his corporation is investigating possibilities of a patent as well as the marketing of the compound.

Dr. Perry and his associates published an article, "Antibiotics of Chemotherapy," which appeared in the December, 1953 issue of Washington Institute of Medicine.

This drug has been sent to Meharry Medical College. The study which Dr. Perry is conducting is "Inhibitory Effect of Four Theoremicorbazones". Bromothiazane is the particular substance involved. He received his Ph. D. from the University of Iowa.

# Negro Scientists Help Develop Polio Vaccine

PITTSBURGH—Three Negro scientists are playing an important role in what is believed to be one of the most important discoveries in the never ceasing fight to find a preventative for the dread polio virus.

*Contra Jol. 4-4-53*

Working as assistants to Dr. Jonas E. Salk, 38-year-old scientist, are Rudolph Riley, research assistant; Miss Estelle Jones, laboratory assistant, and Leroy Hall, research assistant.

Salk is credited with having found a way to turn polio against itself in a vaccine that protects the human body from all three crippling viruses.

The vaccine, still experimental, but far beyond the mere test tube stage, is being produced in the University of Pittsburgh's Virus Research Laboratory.

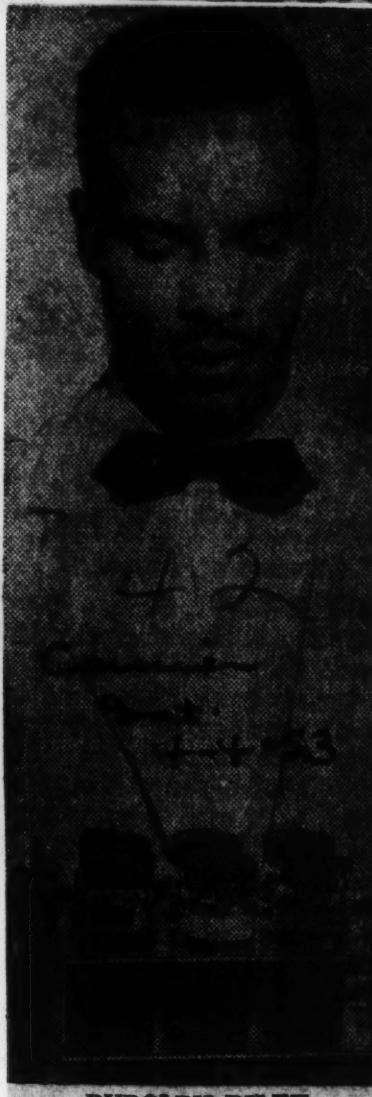
The three Negro assistants have been credited with working tirelessly in aiding Salk and others in this all-important experiment.

Observers are convinced that the vaccine will work after studying 161 persons (4 to 40) inoculated in a series of experiments.

What scientists call "safe success" was seen in ninety persons. Results of seventy-one other persons were considered "spotty." They were inoculated with a vaccine prepared with only one or the other of the viruses mixed with water instead of the emulsified mixture of all three.



Left to right: Estelle Jones, laboratory assistant; Frank Buscheck, research assistant; Dr. P. L. Bazeley, research associate, and Leroy Hall, research assistant.



RUDOLPH RILEY  
... holding polio virus



Dr. Ezra L. Totton, of the department of chemistry at the North Carolina College at Durham, was recently awarded a research grant of \$8,000 by the Wright Air Development Center. Dr. Totton and his students will engage in the synthesis of intermediates to be used in the preparation of plastics.

Since receiving the doctorate degree from the University of Wisconsin in 1949, Dr. Totton has been chairman of the department of chemistry at North Carolina College. During the synthesis of carbonyl compounds with conjugate unsaturates, this time he has been actively engaged in teaching and research.

## Research In The South

Birmingham is proud of the growth, both rapid and substantial, of the Southern Research Institute, only eight years old. We have watched its development and expansion into an institution serving industries throughout the region. We have been gratified by its increasing progress and its mounting prestige.

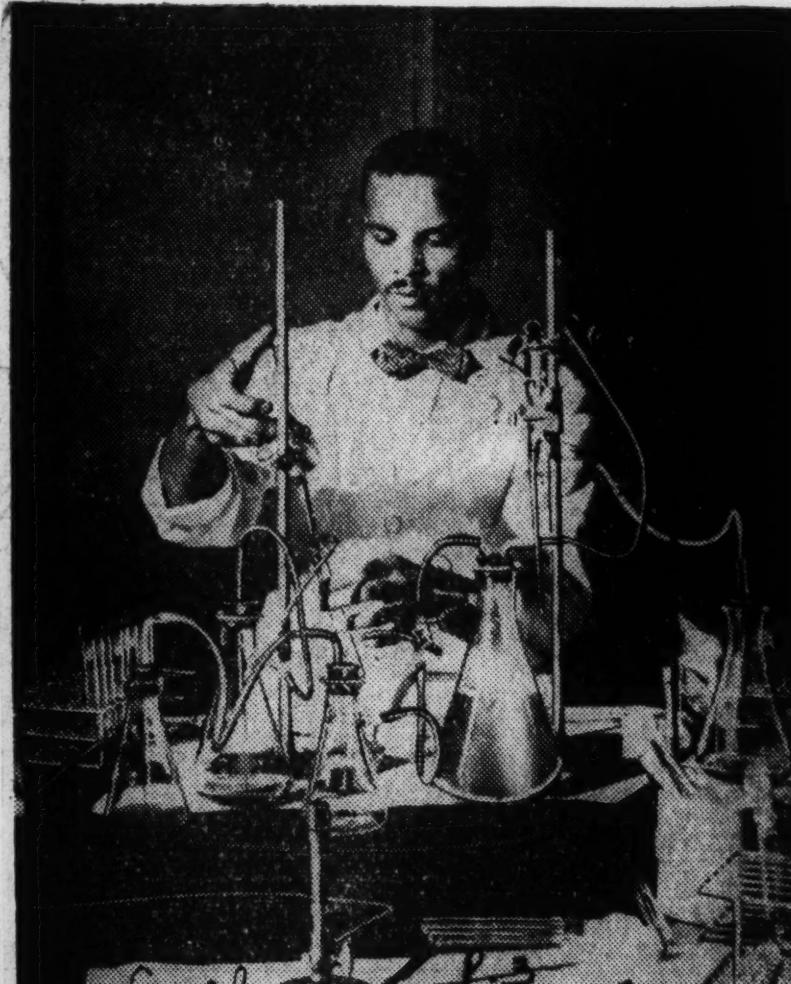
But we may not have realized that the Southern Research Institute is not an isolated phenomenon, but one manifestation (and an outstanding one) of a widespread development in research in the South.

A report issued by H. McKinley Conway Jr., of Chattanooga, director of the Southern Association of Science and Industry, declares that 103 new laboratories or major research additions were established in the Southern states last year. An association survey, he said, showed that the region's technological progress was continuing at an unprecedented rate. Ten years ago, he said, there was not a major consulting research institution in the South. Today the region has some 40 well-equipped general consulting laboratories and about 25 commercial testing laboratories as well as college and university research laboratories and several hundred private research consultants. Southern membership in research societies is at an all-time high.

This progress has come about because it has been learned through experience that research pays. Without continuing research programs, industry and business today cannot keep up with competition. Research is insurance against tomorrow's failure.

The South has learned, too, that it cannot depend upon research in other regions. This area has its peculiar problems and needs. It must develop more and better uses of its own raw materials. And it is doing this, as Mr. Conway points out, more and more.

But so also is the nation giving more thought to research. The South's development in this direction is only a part of a broader movement, even as the Southern Research Institute is only a part of a South-wide attention to research.



*Call 2-1255  
Kansas City, Mo. 42*  
**FIGHTING POLIO BY TEST TUBE.**—Rudolph Riley, scientist at the University of Pittsburgh, is busily occupied here in a polio investigation project in the university laboratory. He is engaged in the cultivation of polio virus in tissue culture. His work is representative of many scientific undertakings supported by the March of Dimes.

## Brainy Young Miss, 15, Wins In Science Contest

**NORFOLK, Va.**—Fifteen-year-old Merle A. Mitchell, the youngest senior at Booker T. Washington High School, has been named one of the top 40 high school science students in the country.

The brilliant young student already has won a \$100 scholarship that will come near paying her tuition through four years of college.

She will go to Washington and compete against the other 39 winners in the contest's "finals" Feb. 26 to March 2. If she wins one of the \$400 to \$2,000 scholarships Merle says she wants to enroll at either Vassar or Radcliffe.

*Top 27-53  
Paper on Crude Oil*

Her final steps in the contest

were the results she achieved in a written examination and a "paper" she wrote: "A Mass Analysis of Crude Oil."

Measuring only five feet one and weighing 105 pounds, Merle has a record as a top student. Throughout her public school career she has averaged about A or A-minus.

She is one of five children and lives with her mother, sisters and brothers at 7849 Ogden st. Her father is dead. Two older sisters are in college, both sophomores, and two younger children besides. Merle lives at home with Mrs. Mitchell who is with the city Recreation Bureau.

## Lawrence Heads Research Staff

**NEW YORK**—George Lawrence, on leave from his position as executive editor of the Dayton (O.) Daily Express, was named Saturday to direct a research staff of the International Council on Intercultural Relations, which will interpret Mr. Lawrence's publication reports from the 9-man commission now in South Africa to study racial tensions there.

Mr. Lawrence was a member of the original commission, but was denied a visa by the Malan Government in South Africa, which is advocating explosive racial segregation policies.

A well-known newspaperman, Mr. Lawrence was apparently denied admittance to South Africa because of his militant stand on matters affecting minority groups. He is a leader in the fight for first-class citizenship, and is frequently called on to give his views on human and civil rights.

He has been active in the affairs of Americans for Democratic Action and the NAACP. He is also chairman of the interracial organization known as Citizens United for Political Action.

## Girl, 15, Tops In Science

**NORFOLK, Va.**—Merle A. Mitchell, 15-year-old senior in the Booker T. Washington High School, has been named one of the youngest female finalists in the twelfth annual nationwide contest to determine the "most promising future scientists."

Miss Mitchell is one of forty high school seniors selected from 2,264 entrants in the contest, sponsored by the Science Clubs of America.

She will receive a free trip to Washington, D. C., and a chance to compete for \$11,000 in scholarships, underwritten by Westinghouse. The scholarships will be awarded during a five-day Science Talent Institute, beginning Feb. 26.



**CLARK GRADUATE EMPLOYED AS INDUSTRIAL CHEMIST** — Rufus Wilson II, right, is shown in the research laboratory of the Zep Manufacturing company, running a quality control test on a batch of pine oil disinfectant made at the Atlanta plant. Watching the test is Dr. Harold B. Friedman, research director for the company. Wilson is the first Negro chemist employed by the company.

## **Zep Manufacturers Hire Negro Chemist**

**Clark Grad To Operate  
Chemical Plant At Zep**

Zep Manufacturing company announced today the appointment of a 25-year old Clark College graduate to its scientific and technical staff as a chemist and chemical plant operator.

Rufus Wilson, 65 Little st., SE, thus becomes one of the first Negroes to crack the lucrative industrial chemistry field in the South. Edwin Zaban, executive vice-president of the company, said Wilson will have "excellent" opportunities for advancement.

The Zep corporation, one of the nation's largest manufacturers of chemicals and equipment for industrial sanitation, has plants and sales offices in Atlanta and Dallas, Texas. Wilson is employed in the Atlanta plant at 560 Edgewood ave.

A native of Atlanta, Wilson attended D. T. Howard and Booker

maintained between the chemicals.

Zaban said that Wilson was hired out voter-registration campaign will be conducted and that organization will participate in the city-wide primary, which will be held in September.

The election of officers for 1963 will probably be held in February.



**Promising** — Merle A. Mitchell, 15-year-old Booker T. Washington High School senior, of Norfolk, Va., was recently named among the finalists in the twelfth annual nation-wide contest to discover the most "promising future scientists." The contest, sponsored by the Science Clubs of America, found forty high school seniors selected from 2,264 entrants. \$11,000 in scholarships will be awarded the winners.

## **Atomic Bids Go to Hill Professors**

**WASHINGTON (AP)** — In its thirteenth semi-annual report the U. S. Atomic Energy Commission indicated that research contracts are currently held by two Howard University faculty members.

Dr. L. A. Transboudou is investigating the subject, "The Effect on Fertilization and Development of Labeling the Germ Cells."

Dr. Herman Branson is conducting research on the topic, "Kinetic and Mass Spectrometric Studies of Biological Systems with Radioactive and Stable Isotopes."

## **Archivist Gets Doctorate Here**

**WASHINGTON**

Harold T. Pinkett, the first and highest ranking colored archivist here at the National Archives, will receive the Ph. D. degree in history and archival administration from American University. He will be the first colored scholar to receive the doctorate study in these combined fields.

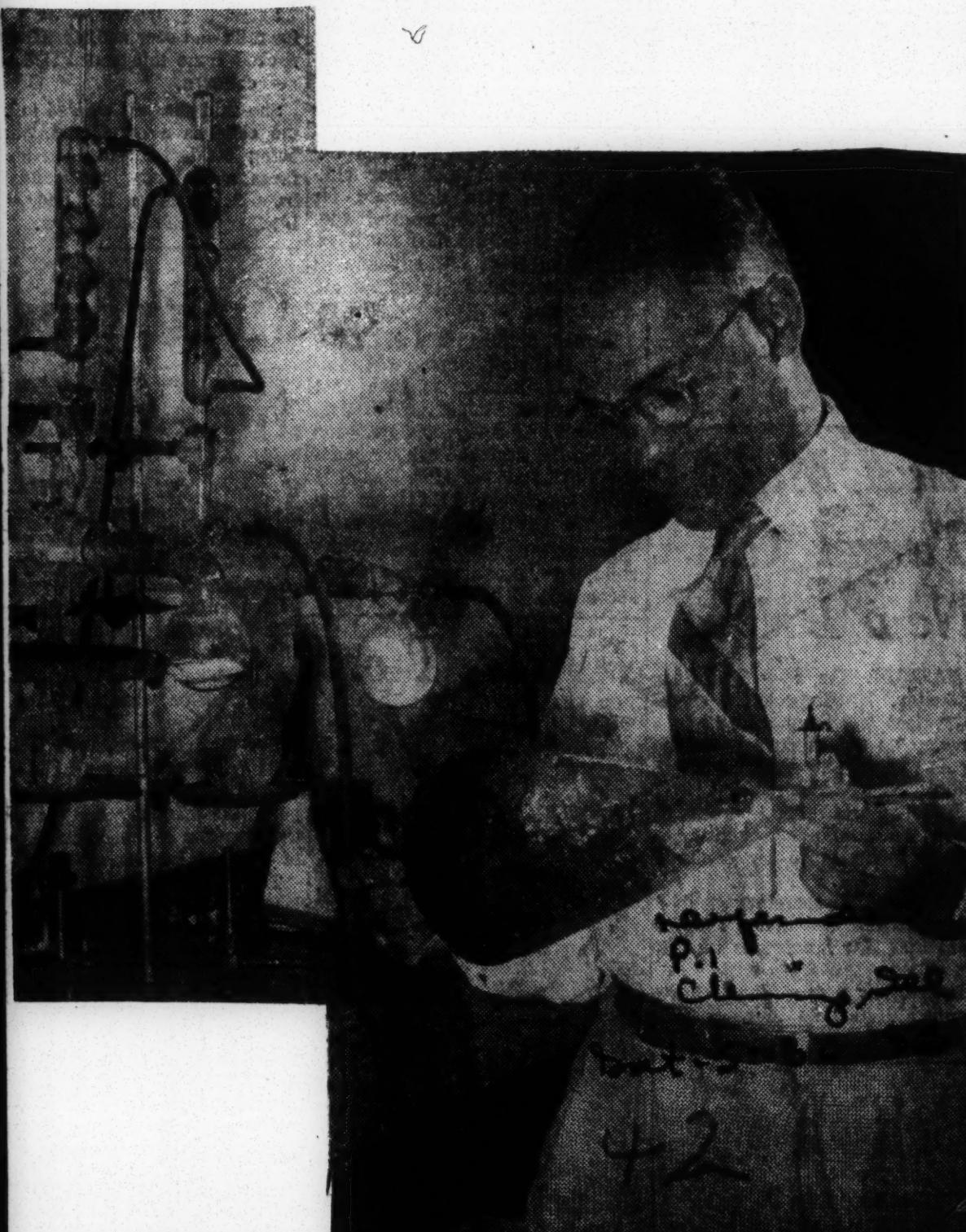
Mr. Pinkett graduated from Morgan college summa cum laude and received the Master of Arts degree from the University of Pennsylvania.

A former teacher at Douglass High school in Baltimore and professor of history at Livingstone College, he has been an archivist at the National Archives since 1942.

He is the author of four official publications issued by this federal agency and is a frequent contributor to historical journals.



**PINKETT**  
42  
Safety required  
2.1 research job  
Wilson



JOHN E. HODGE, chemist of the U. S. Department of Agriculture at work in the Northern Regional Research Laboratory, Peoria, Ill. Hodge is seeking to determine why certain foods turn brown and change their flavor when stored. He has also done research work on the development of blood plasma substitutes. Hodge and two others were presented Superior Service awards last week by Secretary of Agriculture Ezra Taft Benson. Hodge is a native of Kansas City, Kans., and received his training at the University of Kansas.

## Morgan State Represented At Meet

Morgan State College was the sole Negro institution and the only Maryland school represented at a science conference held recently at Amherst College with twenty-five of the nation's top-notch college teachers of physics attending.

Representing Morgan was Dr. Julius H. Taylor, head of the department of physics and recent recipient of an Army grant to do research in the field of pressure.

The conference was jointly sponsored by Amherst College and the National Science Foundation to discuss the status of physics research in colleges.

## Wilberforce Science Teacher Gets Honor

WILBERFORCE, Ohio—Dr. Edward L. Harris, professor at Wilberforce University, has been notified that his name is to appear in the "Leaders in American Science," a charter volume of a new pictorial biographical directory.

The Wilberforce University professor was also notified recently that he has been elected to the Society of Sigma Xi. This accomplishment has been gained as a result of the research work he has performed in the past. Invitations have been extended Dr. Harris from chapters of the professional science fraternity at Ohio State University, Columbus, Ohio and the University of Pittsburgh, Pittsburgh, Pa.

Dr. Harris has completed work on two research reports since January.

## M'House Prof Studies At Oak Ridge

DR. FREDERICK E. MAPP, professor of Biology at Morehouse College, is studying autoradiography (the technique by which atoms "take pictures of themselves") at Oak Ridge, Tennessee, this summer.

Dr. Mapp is one of 30 research workers who are enrolled in a two-week course being conducted by the Special Training Division of the Oak Ridge Institute of Nuclear Studies.

Autoradiography is the analysis of radioactive materials through impressions made by the radiation

on photographic film. This quality of radiation has been developed into an important research technique. Dr. Mapp plans to use autoradiograms to study early structure and function of the thyroid gland, using radioactive iodine.

A native of Atlanta, Mr. Mapp holds the B. S. degree from Morehouse College, the M. S. degree from Atlanta University, the M. A. degree from Harvard University and the Ph. D. degree from the University of Chicago.

## Atomic Research Assistant Named

NASHVILLE, Tenn. — Samuel von Winbush, June graduate of Tennessee State university, was recently notified of his receiving an atomic energy research assistantship at Iowa State college, Ames, Iowa.

Notified of the appointment by Charles A. Goetz, head of the department of chemistry, and chief, chemistry division, Ames Laboratory of the Institute for Atomic Research, Winbush will begin work July 1st.

The assistantship resulted from a paper read at the national meeting in Los Angeles in March of the American Chemical Society by Dr. Clyde Dillard, major advisor to Winbush, and professor of chemistry at Tennessee State university.

Representatives of Iowa State college asked him to recommend one of his students who had been involved in the work on which he reported. Winbush was recommended on the basis of his high overall scholastic average and his outstanding

work in experimental chemistry continue with his studies until he receives his doctorate.



Winbush

Halfback on Tennessee State's football squad for three years, and three-letter man in basketball and football at Henderson Institute, Henderson, N.C. Winbush is an unusual combination of scholar-athlete. Son of Mrs. Estella Winbush, 432 High St., Philadelphia, future atomic scientist Winbush will matriculate for his M.S. degree in chemistry in Sept. at Iowa State college, planning to



**RECEIVES SERVICE AWARDS** These three professional workers of the U.S. Department of Agricultural received Superior Service Awards. Shown chatting with

Secretary of Agriculture Ezra Taft Benson (left) are left to right: John E. Hodge, chemist of the Bureau of Agricultural and Industrial Chemistry's laboratory at Peoria, Ill.; John

W. Mitchell, extension service field agent, Hampton Institute; and Mrs. Anna L. Anderson, home demonstration agent, Okmulgee County, Okla.

## Chemist, 2 Extension Workers Win USDA Superior Service Awards

WASHINGTON  
A colored chemist of the U.S. Department of Agriculture who has carried out important research aimed at improving the taste and color of concentrated foods and feeds, and two extension workers were presented Superior Service awards Tuesday by Secretary of Agriculture Ezra T. Benson.

They are John E. Hodge, a chemist in the department's northern research laboratory; Mrs. Anna L. Anderson, home demonstration agent of Okmulgee, Okla., and John W. Mitchell, agricultural extension specialist with headquarters at Hampton Institute. *30-53*

These award winners were among 158 USDA employees and 15 work units who were given special recognition for contributions to research, administration and for length of service.

### 40 Honored For Service

Prior to the presentation of the awards in the USDA auditorium, Sen. George D. Aiken of Vermont, chairman of the Senate Agriculture and Forestry Com-

mittee, addressed the group. The ceremony is held annually to honor employees for outstanding service.

Seven workers and two units received Distinguished Service Awards, 105, including the three colored workers, received superior service awards, and 46 were given recognition for 40 years or more of service.

Mr. Hodge, a native of Kansas City, Kas., is a University of Kansas graduate. He has been employed by the department since 1941 and has presented papers based on his research at meetings of the American Chemical Society and the Association of Cereal Chemists.

**Woman A 33-Year Veteran**  
Mrs. Anderson has been a home demonstration agent since 1920. She was honored for meritorious service to colored farm families in Oklahoma where she is promoting home food production, health, housing, and improved living conditions.

Mr. Mitchell, a native of Morehead City, N.C., joined Extension Service in North Carolina in 1917 and worked his way up to State leader. In 1943, he was promoted to field agent and later to agricultural extension specialist, his present position.

## Studies Atomic Radiation

Dr. Frederick E. Mapp, professor of biology at Morehouse College, is studying autoradiography (the technique by which atoms "take pictures of themselves") at Oak Ridge, Tennessee, this summer.

Dr. Mapp is one of 30 research workers who are enrolled in a two-week course being conducted by the Special Training Division of the Oak Ridge Institute of Nuclear Studies.

**Authoradiography** is the analysis of radioactive materials through impressions made by radiation on photographic film. This quality of radiation has been developed into an important research technique. Dr. Mapp plans to use autoradiograms to study early structure



**DR. PERCY JULIAN** (center) director of research for the Glidden company in Chicago, prepares to board plane after delivering commencement address at Florida A and M college, Tallahassee. In photo he is with two of his former

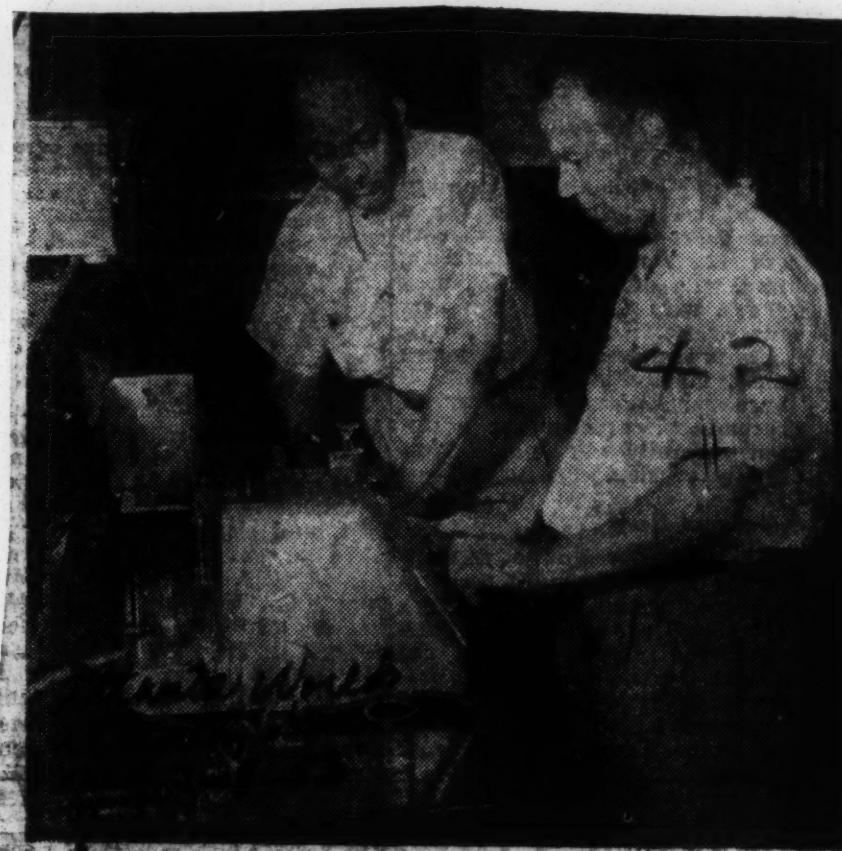
and function of the thyroid gland, using radioactive iodine.

A native of Atlanta, Dr. Mapp holds the B.S. degree from Morehouse College, the M.S. degree from Atlanta University, and the M.A. degree from Harvard University, and the Ph.D. degree from the University of Chicago.

schoolmates who attended school with him in the early twenties at De Pauw university in Greencastle, Ind. They are John W. Riley, head of the Famlee history department, and Florida A and M President George W. Gore, jr.



**AWARD WINNER AT WORK.**—John E. Hodge, chemist of the U. S. Department of Agriculture, is shown at work in the Northern Regional Research laboratory, Peoria, Ill. Mr. Hodge is seeking to determine why dehydrated or concentrated foods turn brown and change their flavor when stored. He has also done some research work on the development of blood plasma substitutes. Hodge was presented a Superior Service award by the Department of Agriculture Tuesday, May 19, at a ceremony in Washington. He is the son of Mr. and Mrs. John A. Hodge, 339 Greeley Ave., Kansas City, Kas. Mr. Hodge is the retired principal of the Sumner high school in that city.



**MOREHOUSE BIOLOGISTS RECEIVE RESEARCH GRANT** — Dr. James Birnie (front) and Dr. S. M. Nabrit operate flame photometer. (Perry Photo)

## **Pair Of M'house Scientists Win Second Research Grant**

BY HARMON G. PERRY

Two Atlanta Biologists, both graduates of Morehouse College, have received a second grant totaling \$4,644 to continue their research on Electrolyte And Water Metabolism.

The funds given to Morehouse College through the U. S. Department of Public Health and the National Advisory Arthritis and Metabolic Diseases will enable Dr. James H. Birnie, chairman of the Department of Biology of Morehouse College and Dr. S. M. Nabrit, head of the Biology Department at Atlanta University, to continue their study started last year thru an initial grant of \$7,000 from the same organizations.

Water and Electrolyte Metabolism in common terms means excretion of salts by the kidney, and the role the adrenal hormones play in regulating this process.

"This type of study, said Dr. Birnie, is important in cases of kidney failure, high blood pressure,

heart and other diseases where the salt balance of the body is altered."

Though the grant was made to Morehouse College, the research will be a joint effort of Morehouse and Atlanta University.

According to Dr. Birnie, the monies from last year's grant was used mostly for the purchase of necessary equipment, but this year's funds will be used entirely for research. "Our study is a slow, time-consuming process," said Dr. Birnie, "and we hope that the research will continue as long as necessary."

Dr. Nabrit has been associated with Atlanta University since 1929, while Dr. Birnie is in his second year at Morehouse, having served on the staff of Syracuse University previously.

## **Negro Chemist Elected To Head Chicago Scientists**

Chicago, July 8.—Dr. Lloyd A. Hall, an outstanding chemist and executive in the food industry and technical director of the Griffith Laboratories, manufacturing chemists, last week was elected chairman-elect of the Chicago chapter, American Institute of Chemists. He is a member and fellow of many scientific organizations and has been active in the food industry as an expert for many years.

### **End Market Research**

BATON ROUGE, La. (AP)—Research for the end in a series of five volumes on marketing practices of negroes in Louisiana has been completed by Southern university.

## **BUNCHE TO HEAD RESEARCH GROUP**

*James W. Bryce*  
Educator to Take Post

Once Held by Wilson

P. 742  
WASHINGTON, Sept. 5 (AP)—Dr. Ralph J. Bunche, Negro educator and United Nations official, will be installed next week as president of the American Political Science Association, a post once held by Woodrow Wilson, James Bryce and Charles A. Beard.

Bunche, who has been top director of the U. N. Department of Trusteeship since 1948 and is a former head of the Department of Political Science at Howard University here, will succeed Pendleton Herring, former Harvard professor. He will be the first member of his race to head the 50 year old research organization whose three-day meeting starting next Thursday is expected to attract some 2,000 political scientists from all over the world.

The APSA is a private organization financed by foundation grants and dues from 6,300 individual and institution members.

A feature of the meeting will be the presentation Thursday night of the annual awards for the best

publications of the year in various picking delegations to presiden- fields of political science. Thidial nominating conventions.

awards were donated by the Franklin D. Roosevelt, Wendell Willkie and Woodrow Wilson Foundations. One of 60 panel discussions will cover an association research project, conducted cooperatively with the Brookings Institution, into the many methods employed by states

# Ala. State Professor Gets \$4,300 In Research Grants

*Agro America*  
*Baltimore, Md.*  
MONTGOMERY, Ala. — Dr. H. Lewis Van Dyke, chairman of the science department of Alabama State college, has been given two grants to continue his research of the Alkylenes through the Friedel Crafts, Fittig and Grignard. He is using secondary and tertiary carbonyls of nine carbons each, benzene and toluene; and the re-investigation of two octylbenzenes through the Grignard reaction.

One grant is from the Frederick G. Cottrell funds of the Research Corporation of New York, for \$2,150. The other is from the American Philosophical society, Penrose fund of Philadelphia, for \$2,152.

#### Preliminary Report In 1948

Preliminary work in this field was reported by Dr. Van Dyke at the 114th meeting of the American Chemical society, held at St. Louis, Mo., September 1948.

Since 1944, work on new phases of the research has been continued and reports on the results thus far of the investigation by Dr. Van Dyke have been made to the American Chemical society and published in the *Journal of Organic Chemistry*.

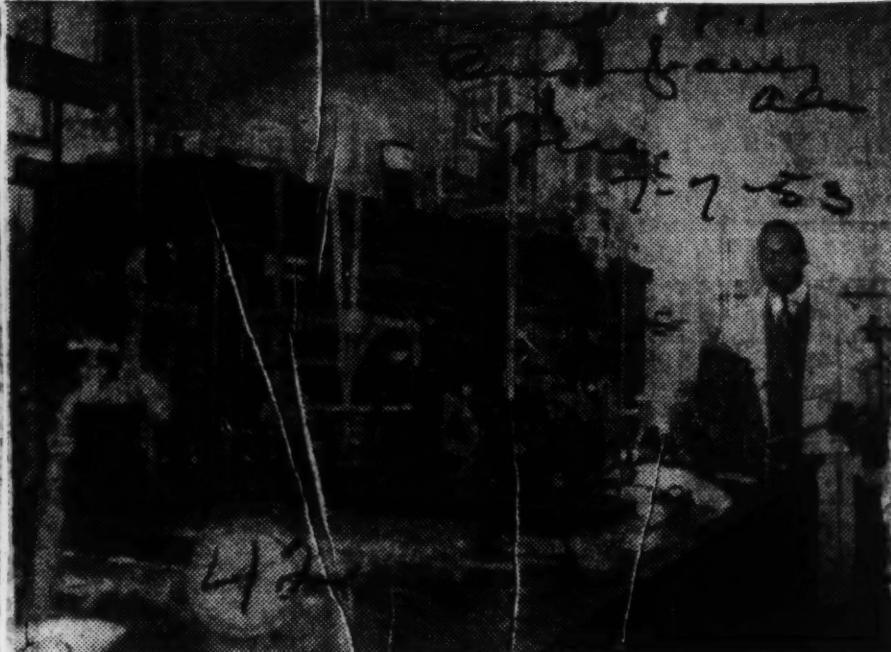
The professor is being assisted whenever and wherever possible by Dr. H. Council Trenhold, Alabama State President, where the research is being conducted.

## Negro To Head Chi. Chemists

*Birmingham, World*  
CHICAGO (AP) — Dr. Lloyd A. Hall, an outstanding chemist and executive in the food industry and technical director of the Griffith Laboratories, manufacturing chemists, last week was elected chairman-elect of the Chicago chapter, American Institute of Chemists.

He is a member and Fellow of many scientific organizations and has been active in the food industry as an expert for many years.

The American Institute of Chemists, founded in 1925, is concerned with the professional status of chemists and numbers among its membership top management and



ALABAMA STATE PROFESSOR MAKES GOOD IN RESEARCH — Dr. H. Lewis Van Dyke of Alabama State College is the recipient of two research grants from two major foundations. College authorities are high in praise of Prof. Van Dyke for his achievements.

research personnel of the chemical industry in this country.

## Langston TB Research Gains New Attention

LANGSTON, Okla.—Dr. R. P. Perry, Langston university chemist, is conducting a research on a compound he expects to publish a report in the next few months. Dr. Perry explained that the compound is not on the market as a general group of substances considered anti-tuberculosis agents yet. He has received a grant from a research corporation. At present time, this corporation is investigating possibilities of a patent as well as the market.

Dr. Perry has been interested in the study of drugs and their effects for many years. He has published an article, "Antibiotics discovered a compound similar to a group produced in Germany called Fibione. Dr. Perry and his associates peared in the December, 1952, issue of Washington Institute of Medicine.

"Our compound has been compared with it and other anti-TB compounds and found to be more effective. It is as effective as other known anti-TB drugs as well.

"We are continuing research on a general group of substances and

## Negro Chemist Elected To Oak Ridge Council

OAK RIDGE, Tenn., Sept. 9 (UPI)—A Negro chemist, a housewife and five other persons were elected to the Oak Ridge town council in yesterday's municipal election.

Dr. Albert C. Stewart, a Negro and senior chemist at Oak Ridge National Laboratory, ran second in a field of 16 candidates for the seven council seats.

Re-elected were Jerry George, who had the ticket; Mrs. Dena W. Nance, Dr. Waldo C. and C. C. Brill.

Others elected were Robert M. (Rube) Faloon and E. E. Beauchamp.

# Dr. Julian Quits Top Post With Chemical Firm

CHICAGO.—(AP)—Dr. Percy Julian, famed organic chemist, last week submitted his resignation as director of research of the Glidden Company's vegetable oil and food divisions in order to join his own research company.

Graduate of DePauw University, Greencastle, Ind., Dr. Julian came to Glidden in 1936 as director of research for the Soya Products division. In 1945 he was made director of research and manager of fine chemicals for this division. Early in 1953 he was named to his present position.

Known the world over for his research in the field of steroids and pharmaceuticals, Dr. Julian plans to continue this work thru a new organization to be known as the Percy L. Julian Research Laboratories. In this new organization, the chemist will engage in extensive research in fine chemicals.

Dr. Julian also will be named president and a member of the board of directors of Suburban Chemical Company of Franklin Park, Ill., which will provide research services for private industry.

After earning his A. B. from DePauw, Dr. Julian received an M. A. from Harvard and a Ph. D. from the University of Vienna. He also has received several honorary degrees.

A renowned scientific writer, Dr. Julian is a member of Phi Beta Kappa, Sigma Xi and a fellow of several scientific societies.

Prior to coming to Glidden, Dr. Julian taught for a while at DePauw University, his alma mater, being one of the few Negroes to hold a position on the faculty of a white school.

His scientific developments include soya proteins for coating paper and for other uses; diversified new lecithin products; the female and male sex hormones from soy bean sterols, and the adrenal cortical hormones, known as sub-

stance "S" and cortisone.

Certain patented and basic phases of his cortisone processes are employed by nearly every maker of cortisone in this country and abroad.

## Dr. Julian Quits Post at Glidden

CHICAGO. (AP)—Dr. Percy L. Julian, famed organic chemist, last week submitted his resignation as director of research of the Glidden Company's vegetable oil and food divisions in order to join his own research company.

## Julian To Form Own Laboratory

Dr. Percy Levon Julian resigned Wednesday as director of research for the Vegetable Oil and Food divisions of Glidden company to form his own research laboratories.

The internationally famous chemist who advanced the synthetic production of sex hormones, said that he will continue his research in the field of steroids and pharmaceuticals through a new organization known as the Percy L. Julian Research Laboratories.

Discoverer of a method for artificially creating four life stimulating chemicals in 1949, Dr. Julian, 54, will also become president and director of the Suburban Chemical company in Franklin Park, which included under a new program the construction of a modern research laboratory, providing research for private industry.

Associated with Glidden since 1936, Dr. Julian's world-famous chemical discoveries range from processes for the synthetic manufacture of body-regulating hormones — testosterone, progestrone — to a foam fire extinguisher which saved many U. S. Naval vessels in World War II.

The grandson of a former Alabama slave, the chemist extracted at least three of his four powerful hormone compounds

from the sterols or complicated alcohols derived from soybeans.

The fourth, and what is regarded probably the most important of his hormone discoveries, is his short cut technique for the synthesis of compound E, or cortisone, the wonder drug now being used with success in the treatment of rheumatoid arthritis, the most crippling and painful form of that disease.

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42 1953

SIGMA XI

# Tuskegee Establishes Science Club

*Det 2-21-53*  
TUSKEGEE, Ala.—Installation ceremonies for the Tuskegee Institute Club of the Society of the Sigma Xi were held Tuesday night on the Institute campus. Dr. George H. Boyd, dean of the Graduate School of the University of Georgia, served as the installing officer.

Charter members of the Tuskegee Institute Sigma Xi Club are staff members of various departments on the Institute campus.

School of Agriculture, School of Engineering, School of Home Economics, School of Veterinary Medicine, and the Carver Foundation.

They are Drs. R. W. Brown, L. D. Cason, William C. Curts, T. A. Derbigny, Cecile Hoover Edwards, Gerald A. Edwards, Charles M. Ford, J. H. M. Henderson, Clarence T. Mason, B. D. Mayberry, Reuben A. Munday, and Alfreda J. Webb.

The officers of the Tuskegee Institute Club are R. W. Brown, president; Charles M. Ford, vice president; Cecile Hoover Edwards, secretary, and Alfreda J. Webb, treasurer.